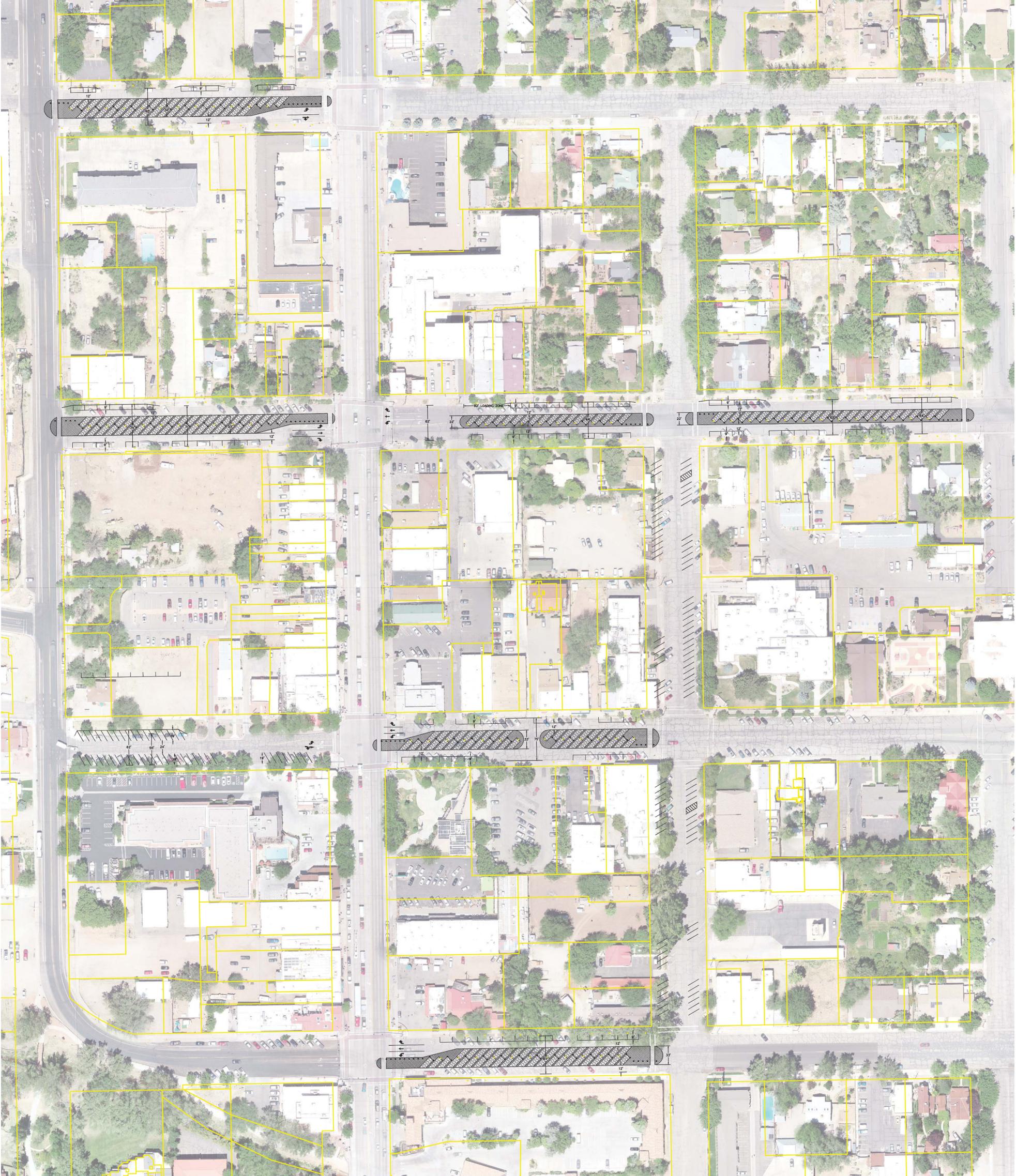
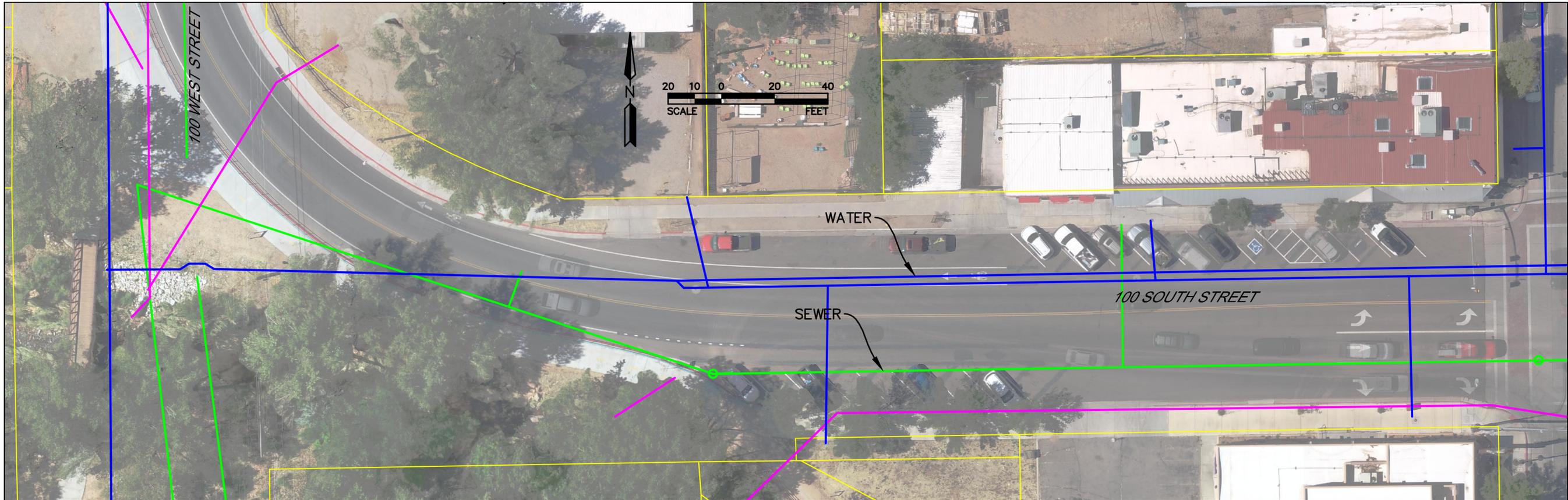


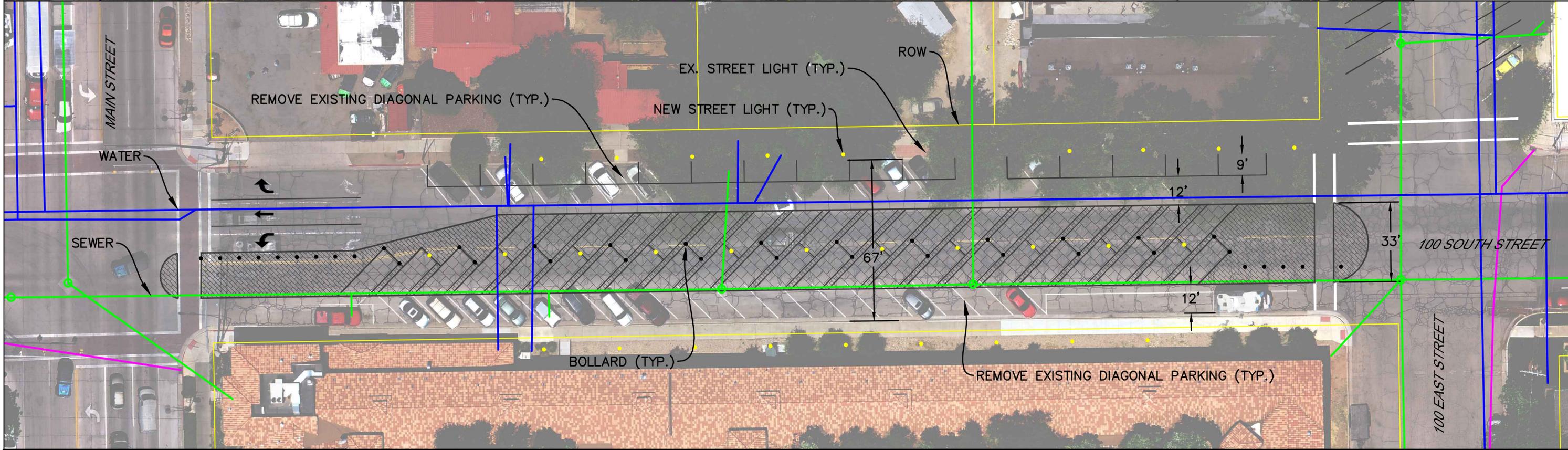
# DOWNTOWN PARKING PROJECT OVERVIEW 10-5-2020





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10-5-2020

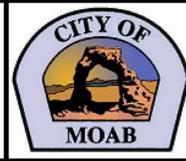


REV	DATE	BY	DESCRIPTION

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DRAWING SCALE  
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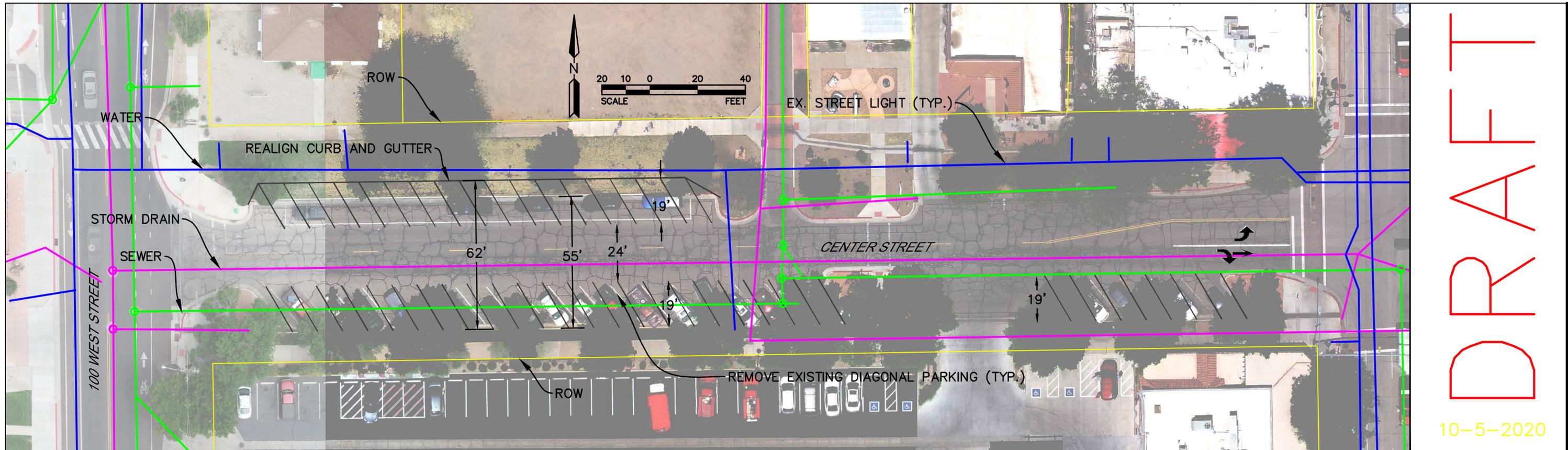


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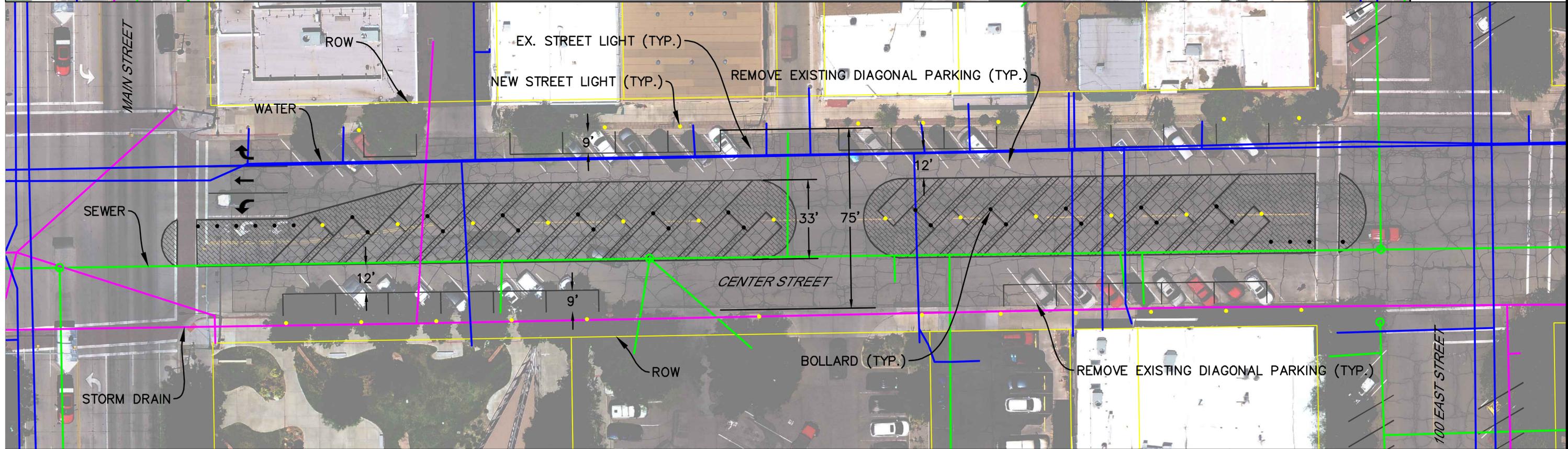
SHEET DESCRIPTION  
**LOCATION 1: 100 SOUTH STREET  
 MEDIAN PARKING**

SHEET  
**SS-1**  
 SHEET 1 OF 6



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10-5-2020



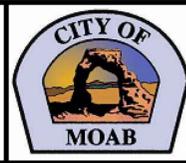
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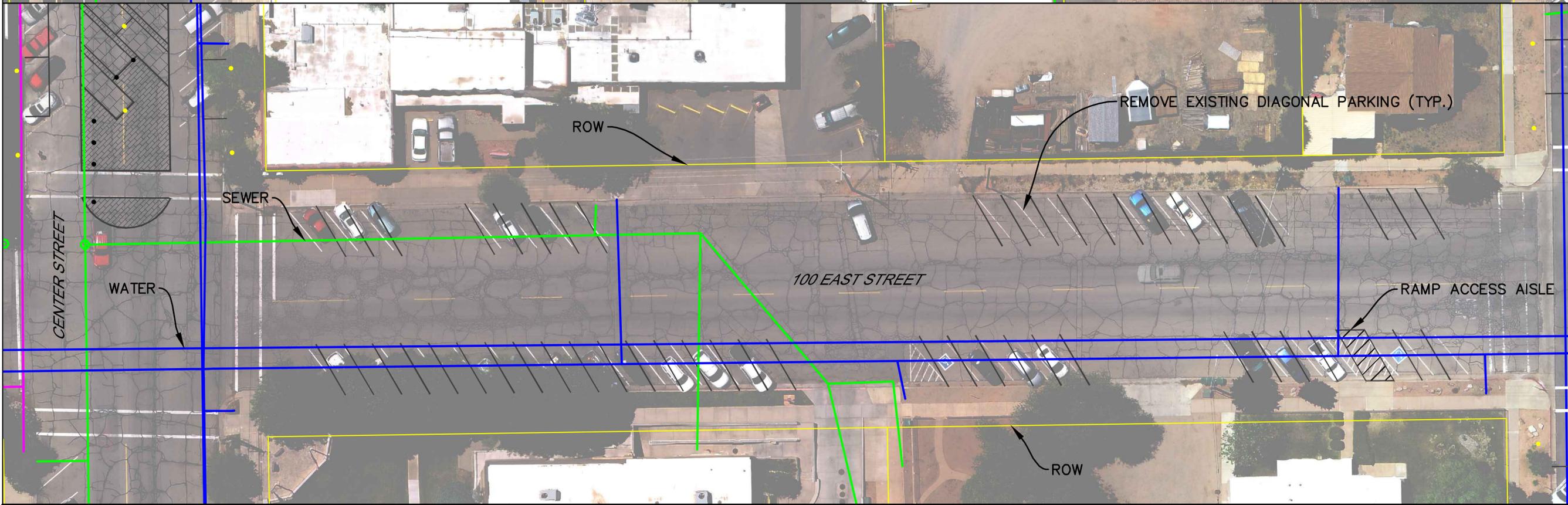
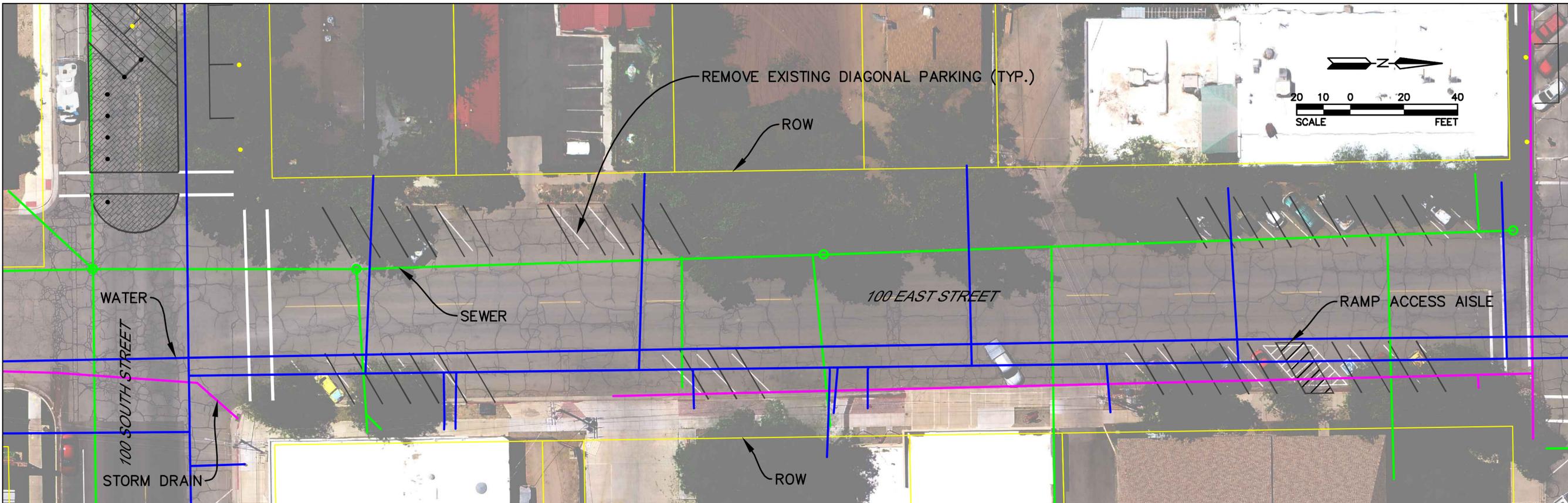


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SHEET DESCRIPTION  
**LOCATIONS 2 & 3: CENTER STREET MEDIAN PARKING**

SHEET  
**SS-2**  
 SHEET 2 OF 6



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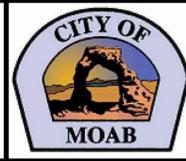
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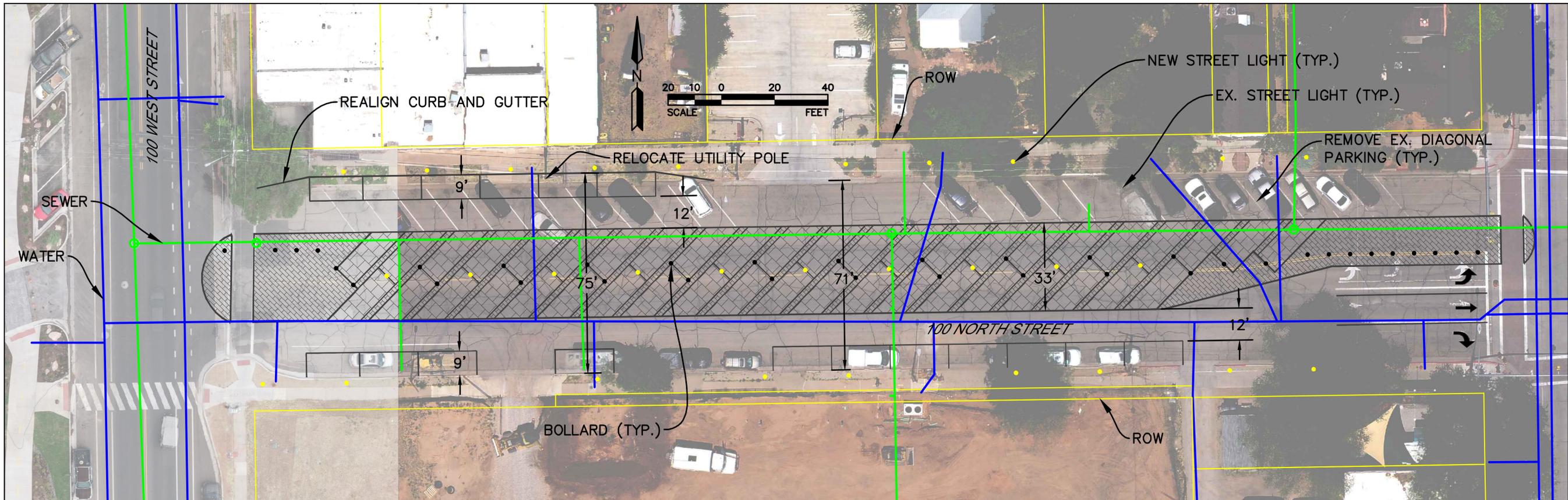


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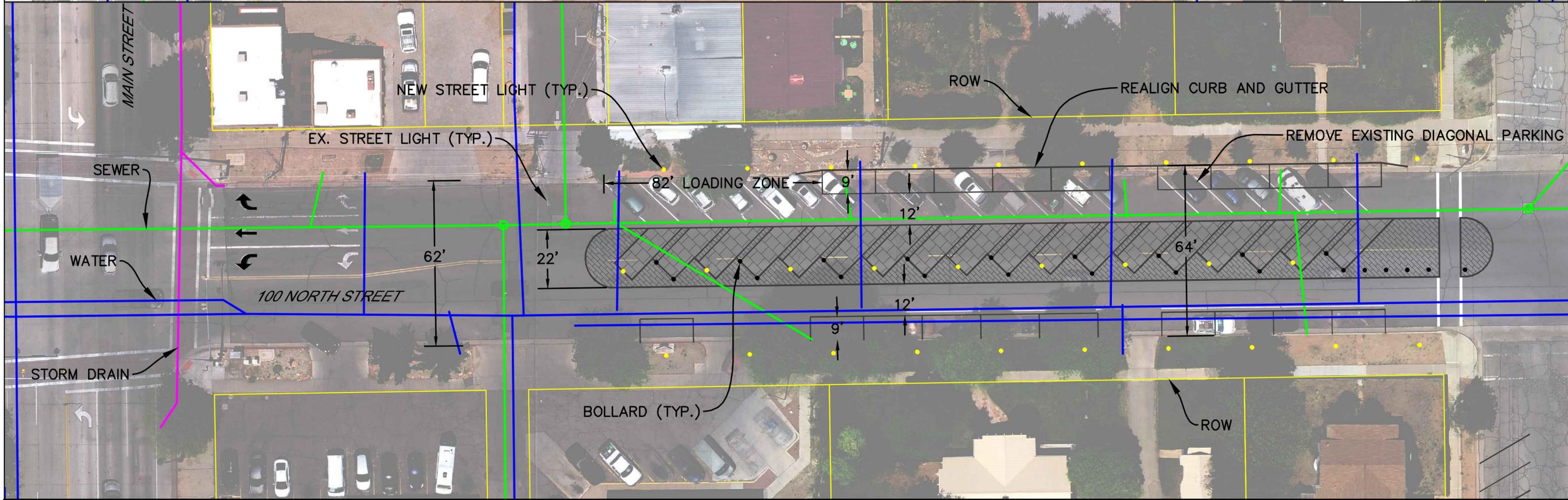
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**LOCATIONS 4 & 5: 100 EAST STREET 60° PARKING**

SHEET  
**SS-3**  
 SHEET 3 OF 6



TITLE  
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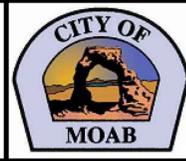


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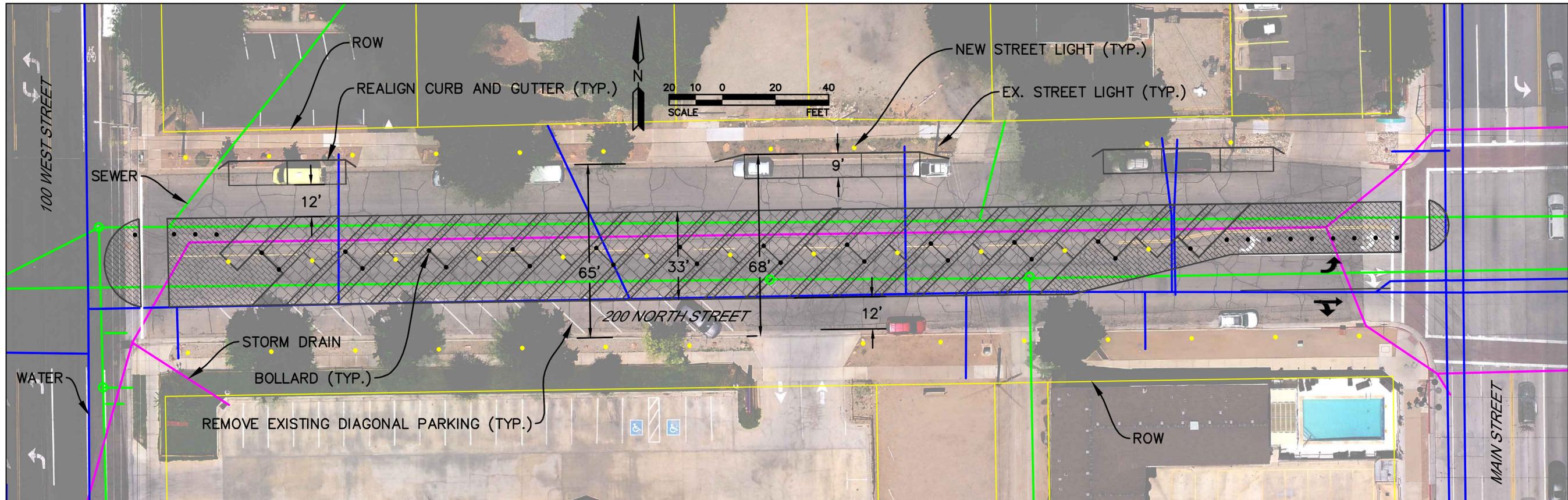


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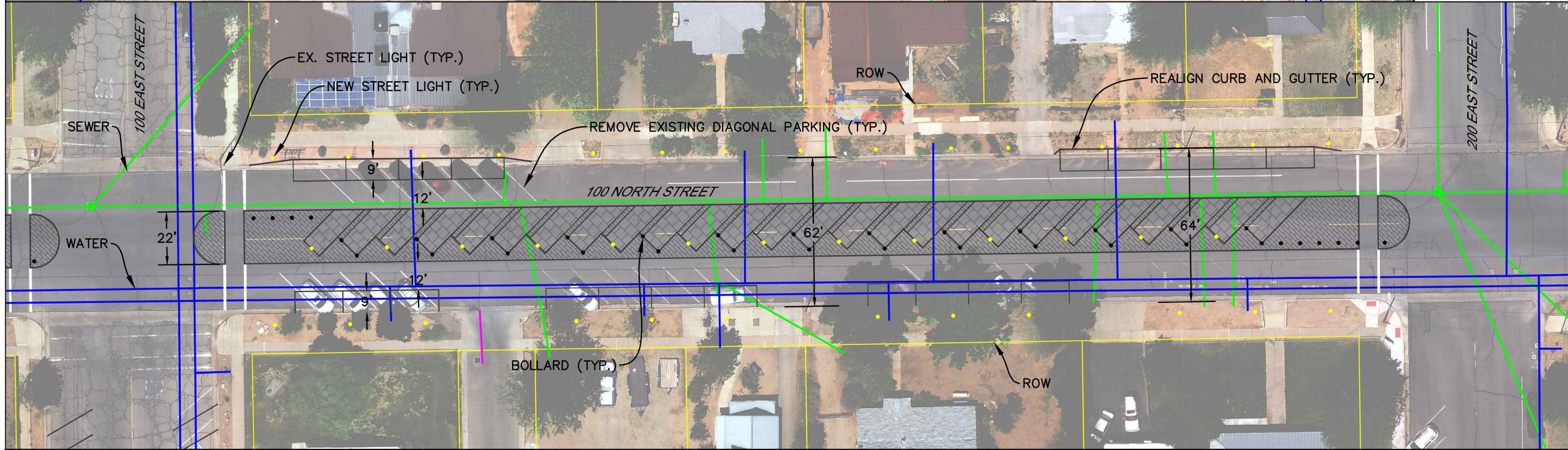
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**LOCATIONS 6 & 7: 100 NORTH STREET MEDIAN PARKING**

SHEET  
**SS-4**  
 SHEET 4 OF 6



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10-5-2020

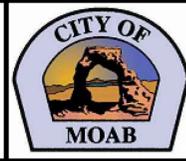


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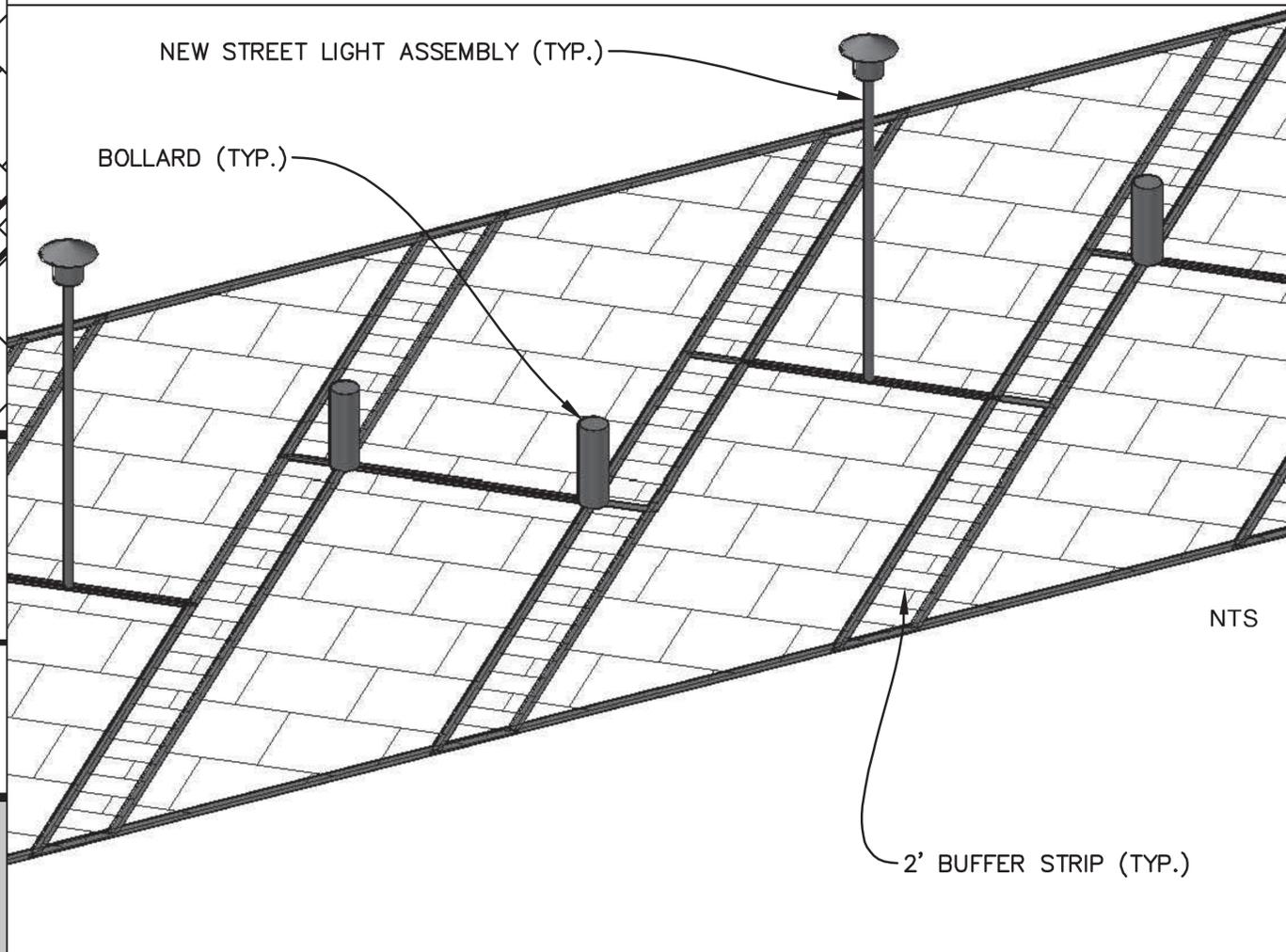
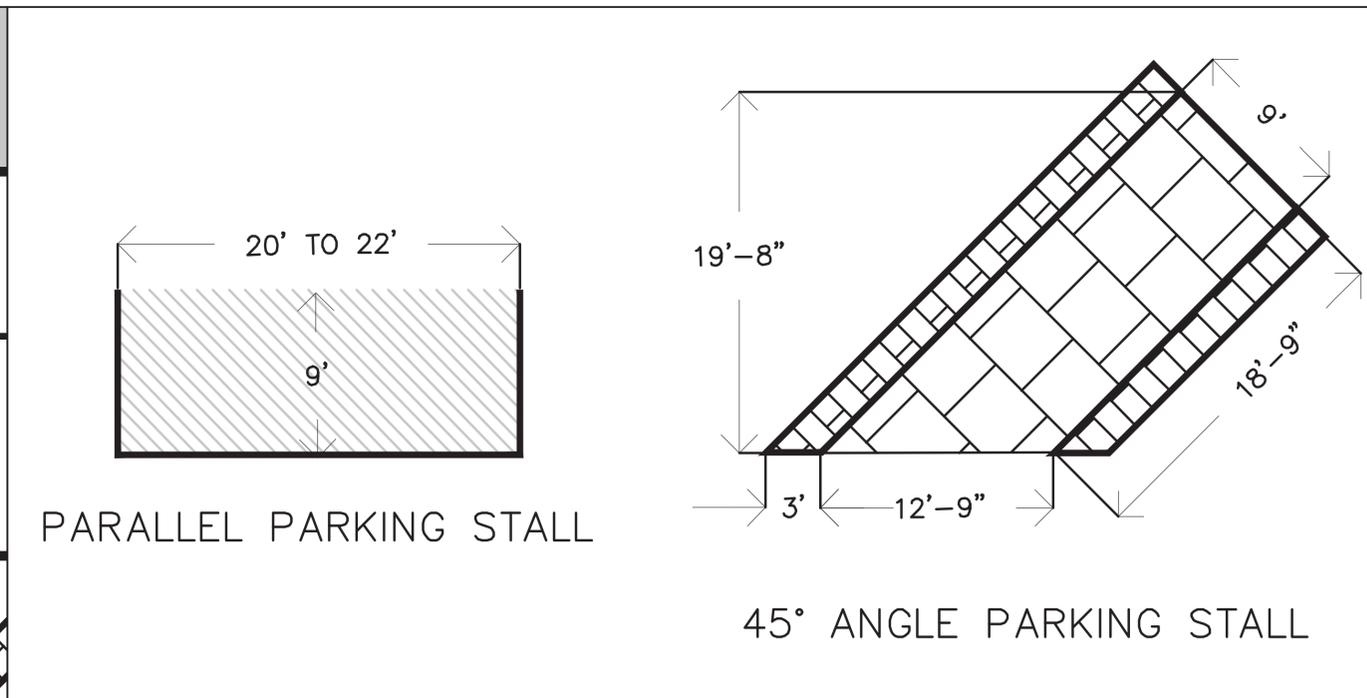
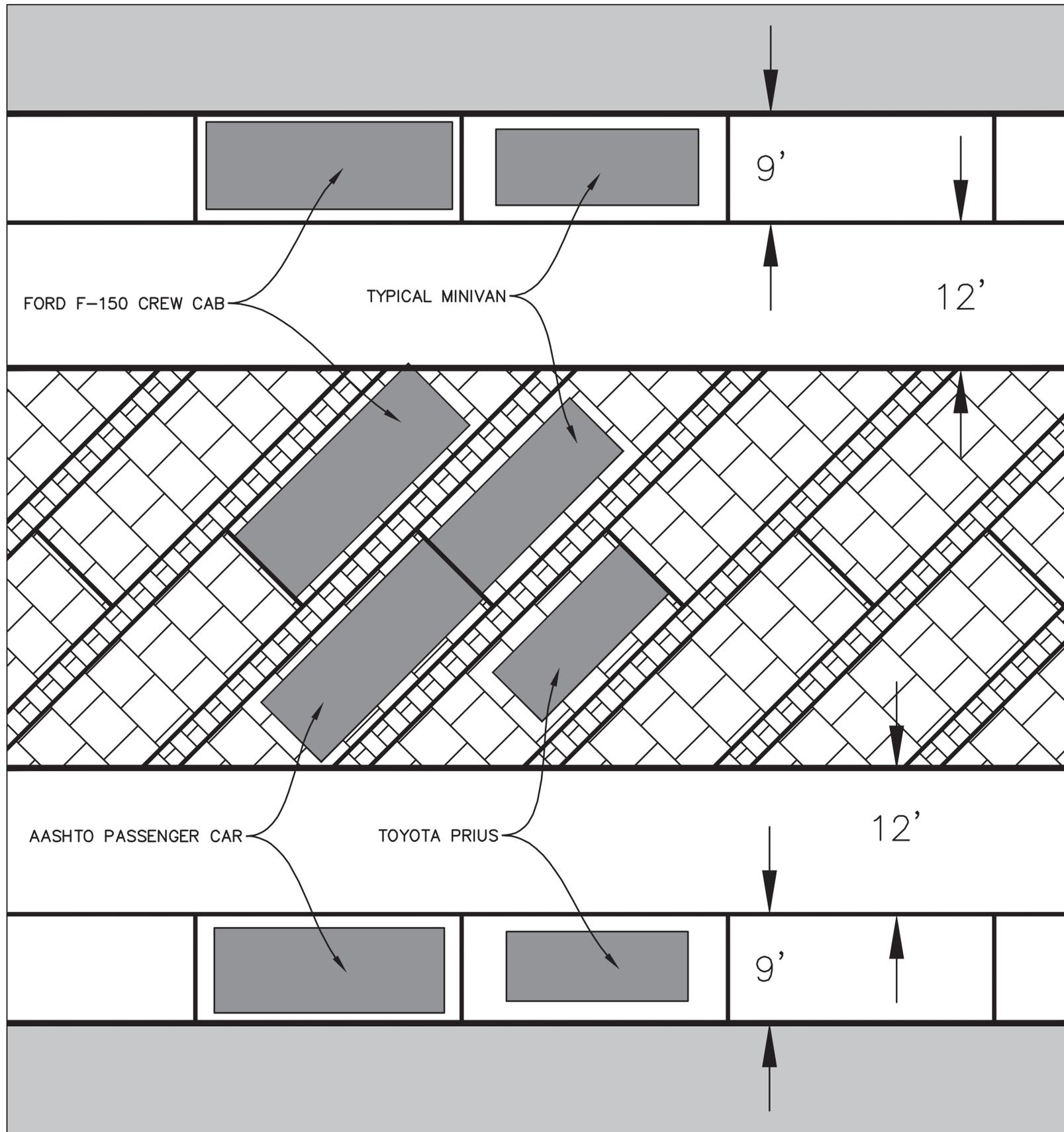


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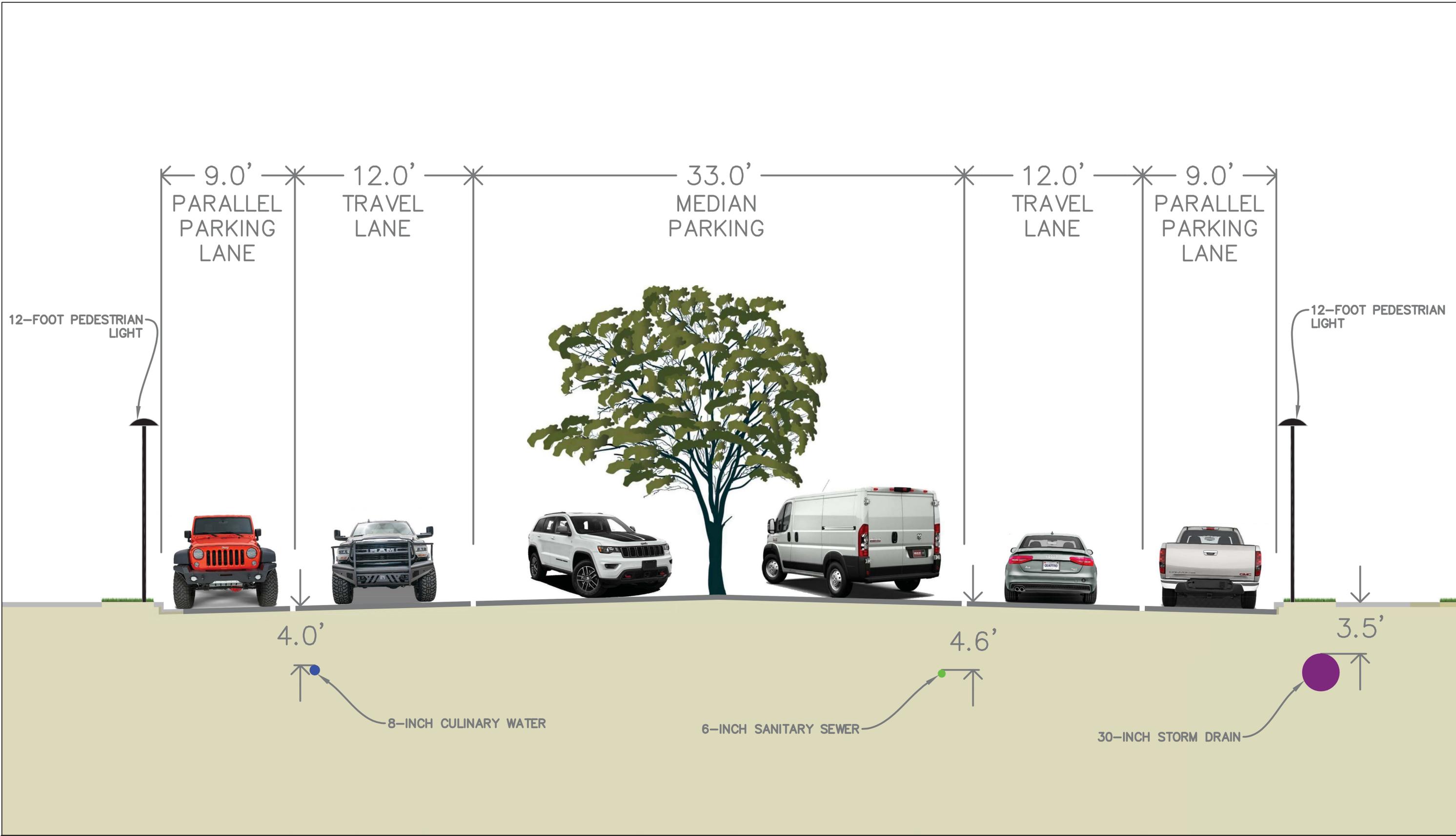
PROJECT NAME  
**DOWNTOWN PARKING RECONFIGURATION**  
 PROJECT NO. \_\_\_\_\_

SHEET DESCRIPTION  
**LOCATIONS 8 & 9: OUTLYING STREETS MEDIAN PARKING**

SHEET  
**SS-5**  
 SHEET 5 OF 6



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	REV	DATE	BY	DESCRIPTION																				



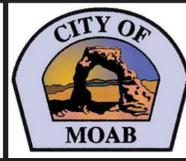
REV	DATE	BY	DESCRIPTION

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**DOWNTOWN PARKING RECONFIGURATION**  
 PROJECT NO. \_\_\_\_\_

SHEET DESCRIPTION  
**MEDIAN PARKING CONCEPT DESIGN EAST CENTER STREET**

SHEET  
**SC-1**  
 SHEET 1 OF 1

Parking Tabulation 10-5-2020

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Downtown Parking Count								
Location		Potential Parking Type			Recommended Parking Arrangements			Description
		Existing	Median	60°	Composite	Increase	Composite type	
1	E 100 S	47	57	63	57	10	Median	Convert to median parking (parallel + 2-row median)
2	W Center	31	31	46	46	15	60°	Convert existing spaces to 60°, relocate curb on north side
3	E Center	34	61	44	61	27	Median	Convert to median parking (parallel + 2-row median + parallel)
4	S 100 E	24	32	33	33	9	60°	Convert existing angled spaces to 60°
5	N 100 E	33	72	45	45	12	60°	Convert existing angled spaces to 60°
6	W 100 N	34	60	55	60	26	Median	Convert to median parking (parallel + 2-row median + parallel), relocate curb on north side
7	1st BLOCK E 100 N	27	37	41	37	10	Median	Convert to median parking (parallel + 1-row median + parallel), relocate curb on north side
8	W 200 N	32	51	49	51	19	Median	Convert to median parking (parallel + 2-row median), relocate curb on north side
9	2nd BLOCK E 100 N	30	46	50	46	16	Median	Convert to median parking (parallel + 1-row median + parallel), relocate curb on north side
7 Street Increase		230			339	109		124 Angle, 72 Parallel, 143 Median
8 Street Increase		262			390	128		124 Angle, 80 Parallel, 186 Median
9 Street Increase		292			436	144		124 Angle, 100 Parallel, 212 Median

Downtown Parking Count (assuming 100 South Reconstruction layout)								
Location		Parking Arrangement Type			Recommended Parking Arrangements			Description
		Existing	Median	60°	Composite	Increase	Composite type	
1	E 100 S	14	57	63	14	0	100 S Plan	See 100 South plan
2	W Center	31	31	46	46	15	60°	Convert existing spaces to 60°, relocate curb on north side
3	E Center	34	61	44	61	27	Median	Convert to median parking (parallel + 2-row median + parallel)
4	S 100 E	22	31	32	32	10	60°	Convert existing angled spaces to 60°
5	N 100 E	33	72	45	45	12	60°	Convert existing angled spaces to 60°
6	W 100 N	34	60	55	60	26	Median	Convert to median parking (parallel + 2-row median + parallel), relocate curb on north side
7	1st BLOCK E 100 N	27	37	41	37	10	Median	Convert to median parking (parallel + 1-row median + parallel), relocate curb on north side
8	W 200 N	32	51	49	51	19	Median	Convert to median parking (parallel + 2-row median), relocate curb on north side
9	2nd BLOCK E 100 N	30	46	50	46	16	Median	Convert to median parking (parallel + 1-row median + parallel), relocate curb on north side
7 Street Increase		195			295	100		137 Angle, 57 Parallel, 101 Median
8 Street Increase		227			346	119		137 Angle, 65 Parallel, 144 Median
9 Street Increase		257			392	135		137 Angle, 85 Parallel, 170 Median

**Table 1**

**Summary of Hotspot Parking Capital Costs 10-5-2020**

<b>Emma Blvd etc.</b>	<b>\$487,791 (44 Stalls)</b> <b>\$11,086 per Stall</b>		
	<b>7 Streets</b>	<b>8 Streets</b>	<b>9 Streets</b>
<b>Stamped Concrete Downtown</b>	<b>\$4,348,102 (109 Stalls)</b>	<b>\$5,573,705 (128 Stalls)</b>	<b>\$6,765,406 (144 Stalls)</b>
	<b>\$39,891 per Stall</b>	<b>\$43,545 per Stall</b>	<b>\$46,982 per Stall</b>
<b>Incl. Emma Blvd</b>	<b>\$4,835,893 (153 Stalls)</b>	<b>\$6,061,496 (172 Stalls)</b>	<b>\$7,253,197 (188 Stalls)</b>
	<b>\$31,607 per Stall</b>	<b>\$35,241 per Stall</b>	<b>\$38,581 per Stall</b>
<b>Regular Concrete Downtown</b>	<b>\$3,855,511 (109 Stalls)</b>	<b>\$4,957,973 (128 Stalls)</b>	<b>\$6,056,690 (144 Stalls)</b>
	<b>\$35,372 per Stall</b>	<b>\$38,734 per Stall</b>	<b>\$42,060 per Stall</b>
<b>Incl. Emma Blvd</b>	<b>\$4,343,302 (153 Stalls)</b>	<b>\$5,445,764 (172 Stalls)</b>	<b>\$6,544,480 (188 Stalls)</b>
	<b>\$28,388 per Stall</b>	<b>\$31,661 per Stall</b>	<b>\$34,811 per Stall</b>
<b>Asphalt Downtown</b>	<b>\$3,061,425 (109 Stalls)</b>	<b>\$3,956,575 (128 Stalls)</b>	<b>\$4,899,600 (144 Stalls)</b>
	<b>\$28,086 per Stall</b>	<b>\$30,911 per Stall</b>	<b>\$34,025 per Stall</b>
<b>Incl. Emma Blvd</b>	<b>\$3,549,216 (153 Stalls)</b>	<b>\$4,444,366 (172 Stalls)</b>	<b>\$5,387,391 (188 Stalls)</b>
	<b>\$23,197 per Stall</b>	<b>\$25,839 per Stall</b>	<b>\$28,656 per Stall</b>

Table 2

## Emma Blvd On-street/Dispersed Parking Capital Cost Estimate 9-28-2020

Item	Description	Unit	Unit Cost	Maxine Ave (24 Stalls)		Minnie Lee Blvd (4 Stalls)		Emma Parking Lot (16 Stalls)		Total Cost (44 Stalls)
				Quantity	Cost	Quantity	Cost	Quantity	Cost	
1	Mobilization	LS	10%	1.0	\$10,549	1.0	\$14,799	1.0	\$6,526	\$31,874
2	Traffic Control	LS	5%	1.0	\$5,274	1.0	\$7,400	1.0	\$3,263	\$15,937
3	Construction Layout and Staking	LS	0.5%	1.0	\$527	1.0	\$740	1.0	\$326	\$1,594
4	Asphalt (4" thick)	TON	\$107.37	342.0	\$36,719	403.8	\$43,354	226.1	\$24,274	\$104,348
5	Granular Borrow (4" thick)	CY	\$30.00	174.6	\$5,239	206.5	\$6,195	115.6	\$3,468	\$14,902
6	Untreated Base Course (8" thick)	CY	\$40.00	348.9	\$13,957	412.6	\$16,503	231.0	\$9,240	\$39,699
7	Sidewalk	SF	\$7.95	3010.4	\$23,932	0.0	\$0	823.3	\$6,545	\$30,477
8	Type A Curb and Gutter	LF	\$37.00	517.1	\$19,131	1606.4	\$59,437	512.8	\$18,973	\$97,541
9	Detectable Warning Surfaces (2x4 feet)	EA	\$913.56	2.0	\$1,827	20.0	\$18,271	0.0	\$0	\$20,098
10	Mobilization-Message Crew/Thermoplastic	EA	\$975.00	1.0	\$975	1.0	\$975	1.0	\$975	\$2,925
11	Layout Pavement Marking	LS	\$1,000.00	1.0	\$1,000	1.0	\$1,000	1.0	\$1,000	\$3,000
12	Pavement Marking-Thermoplastic Messages	EA	\$375.00	7.0	\$2,625	6.0	\$2,250	2.0	\$750	\$5,625
13	Pavement Marking	GAL	\$24.00	3.5	\$84	0.3	\$8	1.3	\$32	\$124
14	Aesthetic Treatments (Green Infrastructure) (7382 sf)	LS	6%	1.0	\$7,310.44	1.0	\$10,255.84	1.0	\$4,522.37	\$22,088.64
15	Contingency	LS	25%	1.0	\$32,287.77	1.0	\$45,296.61	1.0	\$19,973.80	\$97,558.18
<b>TOTAL AREA COST</b>					<b>\$161,439</b>		<b>\$226,483</b>		<b>\$99,869</b>	<b>\$487,791</b>
<b>COST PER STALL</b>					<b>\$6,727</b>		<b>\$56,621</b>		<b>\$6,242</b>	<b>\$11,086</b>

Table 3

## Downtown Parking Capital Cost Estimate 10-5-2020

## Stamped Concrete

Item	Description	Unit	Unit Cost	7 Streets, 109 Stalls		8 Streets, 128 Stalls		9 Streets, 144 Stalls	
				Quantity	Cost	Quantity	Cost	Quantity	Cost
1	Mobilization	LS	10%	1.0	\$284,120.02	1	\$364,205.16	1.0	\$442,075.03
2	Traffic Control	LS	5%	1.0	\$142,060.01	1	\$182,102.58	1.0	\$221,037.51
3	Construction Layout and Staking	LS	0.50%	1.0	\$14,206.00	1	\$18,210.26	1.0	\$22,103.75
4	Pavement Removal	SY	\$25.00	6920.6	\$173,014	8807.15	\$220,179	10720.7	\$268,019
5	Road Excavation 16"-18"	CY	\$20.00	5225.8	\$104,516	5225.82	\$104,516	5225.8	\$104,516
6	Remove Curb and Gutter	LF	\$10.00	606.4	\$6,064	818.87	\$8,189	1056.1	\$10,561
7	Remove Tree, Tree Root	EA	\$1,000.00	5.0	\$5,000	5	\$5,000	5.0	\$5,000
8	Remove Boulder	EA	\$200.00	0.0	\$0	5	\$1,000	5.0	\$1,000
9	Remove Bush	EA	\$200.00	0.0	\$0	3	\$600	3.0	\$600
10	Relocate Sign and Sign Post	EA	\$250.00	0.0	\$0	0	\$0	1.0	\$250
11	Relocate Mailbox	EA	\$700.00	0.0	\$0	0	\$0	2.0	\$1,400
12	Relocate Power Pole	EA	\$9,000.00	1.0	\$9,000	2	\$18,000	3.0	\$27,000
13	Granular Borrow (4" thick)	CY	\$30.00	769.0	\$23,069	978.57	\$29,357	1191.2	\$35,736
14	Untreated Base Course (8" thick)	CY	\$40.00	1537.9	\$61,516	1957.15	\$78,286	2382.4	\$95,295
15	<b>Stamped Concrete (6" thick) Color A outside of stalls</b>	SF	\$18.00	24063.3	\$433,140	29436.32	\$529,854	34958.0	\$629,245
16	<b>Stamped Concrete (6" thick) Color B</b>	SF	\$18.00	30125.7	\$542,263	39155.74	\$704,803	44450.7	\$800,112
17	New Asphalt 4" inch	TON	\$107.37	310.1	\$33,300	372.41	\$39,984	527.2	\$56,605
18	Sewer Manhole Adjustment	EA	\$400.00	7.0	\$2,800	9	\$3,600	9.0	\$3,600
19	Bollard	EA	\$1,200.00	129.0	\$154,800	165	\$198,000	201.0	\$241,200
20	Street Light, Fixture	EA	\$10,000.00	121.0	\$1,210,000	160	\$1,600,000	202.0	\$2,020,000
21	Type A Curb and Gutter	LF	\$37.00	619.7	\$22,928	836	\$30,928	1074.7	\$39,766
22	Pavement Marking Paint- Red Curb	LF	\$1.80	676.9	\$1,218	1137	\$2,047	1273.6	\$2,293
23	Mobilization-Removal Equipment	EA	\$975.00	1.0	\$975	1	\$975	1.0	\$975
24	Removal- Long Line (Water Blast)	LF	\$0.65	2347.6	\$1,526	2581	\$1,677	2996.6	\$1,948
25	Removal-Pavement Message (+1' white line)	EA	\$45.00	49.8	\$2,240	52	\$2,330	58.8	\$2,645
26	Removal-Pavement Marking-Red Curb (Water Blast)	LF	\$0.65	22.0	\$14	22	\$14	22.0	\$14
27	Layout Pavement Marking	LS	\$1,000.00	1.0	\$1,000	1	\$1,000	1.0	\$1,000
28	Pavement Parking-White-Parking Stall	GAL	\$24.00	24.8	\$596	25.74	\$618	28.2	\$677
29	Pavement Parking-Yellow	GAL	\$24.00	1.1	\$27	1.14	\$27	1.1	\$27
30	Mobilization-Message Crew/Thermoplastic	EA	\$975.00	1.0	\$975	1	\$975	1.0	\$975
31	Pavement Marking-Thermoplastic Messages	EA	\$375.00	136.6	\$51,218	160	\$60,092	187.4	\$70,292
32	Aesthetic Treatments (TBD)	LS	6%	1.0	\$196,895	1	\$252,394	1.0	\$306,358
33	Contingency	LS	25%	1.0	\$869,620	1	\$1,114,741	1.0	\$1,353,081
<b>TOTAL PROJECT COST</b>					<b>\$4,348,102</b>	<b>\$5,573,705</b>		<b>\$6,765,406</b>	
<b>COST PER STALL</b>					<b>\$39,891</b>	<b>\$43,544.57</b>		<b>\$46,982</b>	

Table 4

## Downtown Parking Capital Cost Estimate 10-5-2020

## Regular Concrete

Number	Description	Unit	Unit Cost	7 Streets, 109 Stalls		8 Streets, 128 Stalls		9 Streets, 144 Stalls	
				Quantity	Cost	Quantity	Cost	Quantity	Cost
1	Mobilization	LS	10%	1.0	\$251,932	1.0	\$323,971	1.0	\$395,765
2	Traffic Control	LS	5%	1.0	\$125,966	1.0	\$161,986	1.0	\$197,883
3	Construction Layout and Staking	LS	0.50%	1.0	\$12,597	1.0	\$16,199	1.0	\$19,788
4	Pavement Removal	SY	\$25.00	6920.6	\$173,014	8807.2	\$220,179	10720.7	\$268,019
5	Road Excavation 16"-18"	CY	\$20.00	5225.8	\$104,516	5225.8	\$104,516	5225.8	\$104,516
6	Remove Curb and Gutter	LF	\$10.00	606.4	\$6,064	818.9	\$8,189	1056.1	\$10,561
7	Remove Tree, Tree Root	EA	\$1,000.00	5.0	\$5,000	5.0	\$5,000	5.0	\$5,000
8	Remove Boulder	EA	\$200.00	0.0	\$0	5.0	\$1,000	5.0	\$1,000
9	Remove Bush	EA	\$200.00	0.0	\$0	3.0	\$600	3.0	\$600
10	Relocate Sign and Sign Post	EA	\$250.00	0.0	\$0	0.0	\$0	1.0	\$250
11	Relocate Mailbox	EA	\$700.00	0.0	\$0	0.0	\$0	2.0	\$1,400
12	Relocate Power Pole	EA	\$9,000.00	1.0	\$9,000	2.0	\$18,000	3.0	\$27,000
13	Granular Borrow (4" thick)	CY	\$30.00	769.0	\$23,069	978.6	\$29,357	1191.2	\$35,736
14	Untreated Base Course (8" thick)	CY	\$40.00	1537.9	\$61,516	1957.1	\$78,286	2382.4	\$95,295
15	<b>Concrete (6" thick)</b>	SF	\$12.00	54189.1	\$650,269	68592.1	\$823,105	79408.7	\$952,905
16	New Asphalt 4" inch	TON	\$107.37	310.1	\$33,300	372.4	\$39,984	527.2	\$56,605
17	Sewer Manhole Adjustment	EA	\$400.00	7.0	\$2,800	9.0	\$3,600	9.0	\$3,600
18	Bollard	EA	\$1,200.00	129.0	\$154,800	165.0	\$198,000	201.0	\$241,200
19	Street Light, Fixture	EA	\$10,000.00	121.0	\$1,210,000	160.0	\$1,600,000	202.0	\$2,020,000
20	Type A Curb and Gutter	LF	\$37.00	619.7	\$22,928	835.9	\$30,928	1074.7	\$39,766
21	Pavement Marking Paint- Red Curb	LF	\$1.80	676.9	\$1,218	1137.2	\$2,047	1273.6	\$2,293
22	Mobilization-Removal Equipment	EA	\$975.00	1.0	\$975	1.0	\$975	1.0	\$975
23	Removal- Long Line (Water Blast)	LF	\$0.65	2347.6	\$1,526	2580.5	\$1,677	2996.6	\$1,948
24	Removal-Pavement Message (+1' white line)	EA	\$45.00	49.8	\$2,240	51.8	\$2,330	58.8	\$2,645
25	Removal-Pavement Marking-Red Curb (Water Blast)	LF	\$0.65	22.0	\$14	22.0	\$14	22.0	\$14
26	Layout Pavement Marking	LS	\$1,000.00	1.0	\$1,000	1.0	\$1,000	1.0	\$1,000
27	Pavement Parking-White-Parking Stall	GAL	\$24.00	160.6	\$3,854	409.6	\$9,830	584.6	\$14,029
28	Pavement Parking-Yellow	GAL	\$24.00	1.1	\$27	1.1	\$27	1.1	\$27
29	Mobilization-Message Crew/Thermoplastic	EA	\$975.00	1.0	\$975	1.0	\$975	1.0	\$975
30	Pavement Marking-Thermoplastic Messages	EA	\$375.00	136.6	\$51,218	160.2	\$60,092	187.4	\$70,292
31	Aesthetic Treatments (TBD)	LS	6%	1.0	\$174,589	1.0	\$224,511.99	1.0	\$274,265
32	Contingency	LS	25%	1.0	\$771,102	1.0	\$991,594.61	1.0	\$1,211,338
<b>TOTAL PROJECT COST</b>					<b>\$3,855,511</b>		<b>\$4,957,973</b>		<b>\$6,056,690</b>
<b>COST PER STALL</b>					<b>\$35,372</b>		<b>\$38,734.16</b>		<b>\$42,060</b>

Table 5

## Downtown Parking Capital Cost Estimate 10-5-2020

## Asphalt

Number	Description	Unit	Unit Cost	7 Streets, 109 Stalls		8 Streets, 128 Stalls		9 Streets, 144 Stalls	
				Quantity	Cost	Quantity	Cost	Quantity	Cost
1	Mobilization	LS	10%	1.0	\$200,044	1.0	\$258,536	1.0	\$320,157
2	Traffic Control	LS	5%	1.0	\$100,022	1.0	\$129,268	1.0	\$160,078
3	Construction Layout and Staking	LS	0.50%	1.0	\$10,002	1.0	\$12,927	1.0	\$16,008
4	Pavement Removal	SY	\$25.00	6920.6	\$173,014	8807.2	\$220,179	10720.7	\$268,019
5	Road Excavation 16"	CY	\$20.00	4764.9	\$95,298	4764.9	\$95,298	4764.9	\$95,298
6	Remove Curb and Gutter	LF	\$10.00	606.4	\$6,064	818.9	\$8,189	1056.1	\$10,561
7	Remove Tree, Tree Root	EA	\$1,000.00	5.0	\$5,000	5.0	\$5,000	5.0	\$5,000
8	Remove Boulder	EA	\$200.00	0.0	\$0	5.0	\$1,000	5.0	\$1,000
9	Remove Bush	EA	\$200.00	0.0	\$0	3.0	\$600	3.0	\$600
10	Relocate Sign and Sign Post	EA	\$250.00	0.0	\$0	0.0	\$0	1.0	\$250
11	Relocate Mailbox	EA	\$700.00	0.0	\$0	0.0	\$0	2.0	\$1,400
12	Relocate Power Pole	EA	\$9,000.00	1.0	\$9,000	2.0	\$18,000	3.0	\$27,000
13	Granular Borrow (4" thick)	CY	\$30.00	769.0	\$23,069	978.6	\$29,357	1191.2	\$35,736
14	Untreated Base Course (8" thick)	CY	\$40.00	1537.9	\$61,516	1957.1	\$78,286	2382.4	\$95,295
15	<b>Asphalt (4" thick)</b>	TON	\$107.37	1619.7	\$173,904	2030.0	\$217,960	2446.3	\$262,646
16	Sewer Manhole Adjustment	EA	\$400.00	7.0	\$2,800	9.0	\$3,600	9.0	\$3,600
17	Bollard	EA	\$1,200.00	129.0	\$154,800	165.0	\$198,000	201.0	\$241,200
18	Street Light, Fixture	EA	\$10,000.00	121.0	\$1,210,000	160.0	\$1,600,000	202.0	\$2,020,000
19	Type A Curb and Gutter	LF	\$37.00	619.7	\$22,928	835.9	\$30,928	1074.7	\$39,766
20	Pavement Marking Paint- Red Curb	LF	\$1.80	676.9	\$1,218	1137.2	\$2,047	1273.6	\$2,293
21	Mobilization-Removal Equipment	EA	\$975.00	1.0	\$975	1.0	\$975	1.0	\$975
22	Removal- Long Line (Water Blast)	LF	\$0.65	2347.6	\$1,526	2580.5	\$1,677	2996.6	\$1,948
23	Removal-Pavement Message (+1' white line)	EA	\$45.00	49.8	\$2,240	51.8	\$2,330	58.8	\$2,645
24	Removal-Pavement Marking-Red Curb (Water Blast)	LF	\$0.65	22.0	\$14	22.0	\$14	22.0	\$14
25	Layout Pavement Marking	LS	\$1,000.00	1.0	\$1,000	1.0	\$1,000	1.0	\$1,000
26	Pavement Parking-White-Parking Stall	GAL	\$24.00	160.6	\$3,854	409.6	\$9,830	584.6	\$14,029
27	Pavement Parking-Yellow	GAL	\$24.00	1.1	\$27	1.1	\$27	1.1	\$27
28	Mobilization-Message Crew/Thermoplastic	EA	\$975.00	1.0	\$975	1.0	\$975	1.0	\$975
29	Pavement Marking-Thermoplastic Messages	EA	\$375.00	136.6	\$51,218	160.2	\$60,092	187.4	\$70,292
30	Aesthetic Treatments (TBD)	LS	6%	1.0	\$138,631	1.0	\$179,166	1.0	\$221,869
31	Contingency	LS	25%	1.0	\$612,285	1.0	\$791,315	1.0	\$979,920
<b>TOTAL PROJECT COST</b>					<b>\$3,061,425</b>	<b>\$3,956,575</b>	<b>\$4,899,600</b>		
<b>COST PER STALL</b>					<b>\$28,086</b>	<b>\$30,910.75</b>	<b>\$44,950</b>		

**Table 6**

**Maintenance Cost Estimate 10-5-2020**

<b>Median Material</b>	<b>Expense</b>	<b>7 Streets</b>	<b>8 Streets</b>	<b>9 Streets</b>
<b>Stamped Concrete</b>	Electricity	\$40,000	\$50,000	\$60,000
	Miscellaneous	\$10,000	\$12,500	\$15,000
	<b>Total Yearly Cost</b>	<b>\$50,000</b>	<b>\$62,500</b>	<b>\$75,000</b>
	<b>Design Life Cost (50 Years)</b>	<b>\$2,500,000</b>	<b>\$3,125,000</b>	<b>\$3,750,000</b>
<b>Regular Concrete</b>	Electricity	\$40,000	\$50,000	\$60,000
	Miscellaneous	\$10,000	\$12,500	\$15,000
	<b>Total Yearly Cost</b>	<b>\$50,000</b>	<b>\$62,500</b>	<b>\$75,000</b>
	<b>Design Life Cost (50 Years)</b>	<b>\$2,500,000</b>	<b>\$3,125,000</b>	<b>\$3,750,000</b>
<b>Asphalt</b>	Electricity	\$40,000	\$50,000	\$60,000
	Striping (avg annual cost for 2-yr cycle)	\$5,000	\$6,250	\$7,500
	Chip Seal (avg annual cost for 10-yr cycle)	\$2,000	\$2,250	\$2,500
	Miscellaneous	\$10,000	\$12,500	\$15,000
	<b>Total Yearly Cost</b>	<b>\$57,000</b>	<b>\$71,000</b>	<b>\$85,000</b>
	<b>Design Life Cost (50 Years)</b>	<b>\$2,850,000</b>	<b>\$3,550,000</b>	<b>\$4,250,000</b>

## **Supplemental Information Sheet to Accompany the Downtown Parking Reconfiguration Plan Set for Hotspot Funding**

In the process of designing and workshopping the Downtown Parking Reconfiguration plans, it is desirable that all participating parties have convenient access to relevant legal criteria and definitions as set forth in the Moab Municipal Code (MC) and Utah Code Title 41: Motor Vehicles (UC). This list will be expanded as needed during the development of the reconfiguration plans. Descriptions are paraphrased, with references to their respective sections in code following in parentheses.

Crosswalks can be marked or unmarked. Locations of unmarked crosswalks are inferred where at least one sidewalk laterally intersects the roadway. (UC 41-6a-102)

Jaywalking: crossing is prohibited at any point other than a marked crosswalk on blocks abutted on both sides by signalized intersections. Pedestrians must yield to all vehicles on the roadway when crossing outside of a marked or unmarked crosswalk. (UC 41-6a-1003)

Parking means standing a vehicle, whether occupied or not. Parking is prohibited in front of driveways, within 15 feet of a fire hydrant, and within 20 feet of a crosswalk. Temporarily stopping a vehicle to load/unload property or passengers is not considered parking. (UC 41-6a-1401)

Parking spaces must not be less than 18.5-feet long and 9-feet wide. (MC 17.06.020)

Pedestrians include all persons traveling on foot or in a wheelchair. (UC 41-6a-102)

References:

<https://highwaysafety.utah.gov/pedestrian-and-bicycle-safety/pedestrian-safety-and-laws/>

<https://le.utah.gov/xcode/Title41/Chapter6A/41-6a.html>

<https://moab.municipal.codes/>

## Hotspot Design

### Assumptions 8/31/2020

- No parking within 20 feet of a crosswalk.
- Minimum travel lane width is 12-ft, which will provide adequate space for access to adjacent parking spaces as well as room for bicycles.
- Median parking is continuous, and therefore precludes vehicles from exiting left out from driveways. Along the same lines, vehicles cannot enter any driveways by way of a left turn. The sole exception is the break in the median at the east driveway of the Moab Information Center parking lot.
- Trees or other permanent landscaping are only proposed when not in conflict with major utilities.
- The desired median parking cross section is 75-feet wide. This includes two 9-ft parallel parking lanes, two 12-ft travel lanes, and 33-ft median parking. Existing curb-to-curb widths are generally less than this, with the exception of Center Street (east of Main Street). In locations where the road is to be widened to fit the proposed median parking, some existing landscaping (including trees) will need to be removed. Total estimated quantity of trees proposed to be removed is six.
- All existing left turn, through, and right turn lanes from side streets onto Main Street have been kept as is due to traffic volumes.
- Median parking will be delineated with stamped, dyed concrete in place of existing asphalt.
- All parking widths are 9 feet. Buffer strips for median parking are 2 feet wide.
- All curbside angled parking is at 60 degrees.
- Parallel parking length is between 20 and 22 feet.